

PATENT

ATTORNEY DOCKET NO. CABE.001.01US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Johannes J. Geuze <i>et al.</i>	) Examiner: DeCloux, Amy
	)
Serial No.: 09/011,167	) Art Unit: 1644
	)
Filed: June 2, 2003	)
	)
Title: CELL DERIVED ANTIGEN PRESENTING VESICLES	) <u>CLEAN COPY OF CLAIMS</u>
	)
	)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The following is a clean copy of the text of the claims following entry of the amendments as shown on the attached Preliminary Amendment. Replacement pages 16-17 incorporating these changes are attached hereto.

13. An antigen presenting vesicle free from its natural surroundings, said vesicle comprising:  
a membrane, a major histocompatibility complex (MHC) Class II protein, and one or more at least partially processed antigens bound to said MHC Class II protein, wherein said antigen presenting vesicle is obtainable from a B lymphocyte.

CERTIFICATE OF FIRST CLASS MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

July 10, 2003  
(Date of Deposit)

  
(Signature)

Carrie Bucher  
(Printed Name)

14. The antigen presenting vesicle according to Claim 13, wherein said vesicle is obtained by the step of recovering a 70,000 x g pellet obtained by differential centrifugation of membrane-containing fractions of cell culture media or lysates of B lymphocytes containing said MHC Class II protein.

15. An antigen presenting vesicle free from its natural surroundings, said vesicle comprising: a membrane, a major histocompatibility complex (MHC) Class II protein, and one or more at least partially processed antigens bound to said MHC Class II protein, wherein said antigen presenting vesicle is derived from culture media of B-lymphocytes containing said MHC Class II protein.

16. An antigen presenting vesicle free from its natural surroundings, said vesicle comprising: a membrane, a major histocompatibility complex (MHC) Class II protein, and one or more at least partially processed antigens bound to said MHC Class II protein, wherein said antigen presenting vesicle is obtained by the step of recovering a 70,000 x g pellet obtained by differential centrifugation of membrane-containing fractions of cell culture media or lysates of B-lymphocytes containing said MHC Class II protein.

17. An antigen presenting vesicle free from its natural surroundings, said vesicle comprising: a membrane, major histocompatibility complex (MHC) Class I and Class II proteins, and one or more at least partially processed antigens bound to said MHC Class I and Class II proteins, wherein said antigen presenting vesicle is obtained by differential centrifugation of membrane-containing fractions of cell culture media or lysates of B-lymphocytes containing said MHC Class I and Class II proteins.

PATENT

ATTORNEY DOCKET NO. CABE.001.01US

Respectfully submitted,

Dated:

July 10, 2003



Barbara Rae-Venter, Ph.D.

Reg. No. 32,750

Rae-Venter Law Group, P.C.  
PO Box 1898  
Monterey, CA 93942-1898  
Phone: (831) 648-3090  
Facsimile: (831) 242-0137

BRV/mnb

**WHAT IS CLAIMED IS:**

13. An antigen presenting vesicle free from its natural surroundings, said vesicle comprising:  
a membrane, a major histocompatibility complex (MHC) Class II protein, and one or more at least partially processed antigens bound to said MHC Class II protein, wherein said antigen presenting vesicle is obtainable from a B lymphocyte.

14. The antigen presenting vesicle according to Claim 13, wherein said vesicle is obtained by the step of recovering a 70,000 x g pellet obtained by differential centrifugation of membrane-containing fractions of cell culture media or lysates of B lymphocytes containing said MHC Class II protein.

15. An antigen presenting vesicle free from its natural surroundings, said vesicle comprising:  
a membrane, a major histocompatibility complex (MHC) Class II protein, and one or more at least partially processed antigens bound to said MHC Class II protein, wherein said antigen presenting vesicle is derived from culture media of B-lymphocytes containing said MHC Class II protein.

16. An antigen presenting vesicle free from its natural surroundings, said vesicle comprising:  
a membrane, a major histocompatibility complex (MHC) Class II protein, and one or more at least partially processed antigens bound to said MHC Class II protein, wherein said antigen presenting vesicle is obtained by the step of recovering a 70,000 x g pellet obtained by differential centrifugation of membrane-containing fractions of cell culture media or lysates of B-lymphocytes containing said MHC Class II protein.

17. An antigen presenting vesicle free from its natural surroundings, said vesicle comprising:  
a membrane, major histocompatibility complex (MHC) Class I and Class II proteins, and one or more at least partially processed antigens bound to said MHC Class I and Class II proteins, wherein said antigen presenting vesicle is obtained by differential centrifugation of

**PATENT**

**ATTORNEY DOCKET NO. CABE.001.01US**

membrane-containing fractions of cell culture media or lysates of B-lymphocytes containing said MHC Class I and Class II proteins.